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Please type a plus sign (+) inside this box → PTO/SB/05 (11-00)
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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	TI-31446
First Inventor	Benjamin L. Lee et al.
Title	TWO-DIMENSIONAL BLAZED MEMS GRATING
Express Mail Label No.	EL360245794US

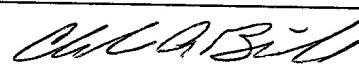
APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

ADDRESS TO:Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing)	7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.	8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
3. <input checked="" type="checkbox"/> Specification Pages (preferred arrangement set forth below)	a. <input type="checkbox"/> Computer Readable Form (CRF)
- Descriptive title of the Invention	b. <input type="checkbox"/> Specification Sequence Listing on:
- Cross Reference to Related Applications	i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or
- Statement Regarding Fed sponsored R & D	ii. <input type="checkbox"/> paper
- Reference to sequence listing, a table, or a computer program listing appendix	c. <input type="checkbox"/> Statements verifying identity of above copies
- Background of the Invention	
- Brief Summary of the Invention	
- Brief Description of the Drawings (if filed)	
- Detailed Description	
- Claim(s)	
- Abstract of the Disclosure	
4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) Sheets	[Total] 36
5. Oath or Declaration Pages	[Total] 10 1
a. <input checked="" type="checkbox"/> (Unsigned) Newly Executed (original or copy)	9. <input type="checkbox"/> Assignment Papers (cover sheet & documents(s))
b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)	10. <input type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee) <input checked="" type="checkbox"/> Power of Attorney
i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).	11. <input type="checkbox"/> English Translation Document (if applicable)
6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76	12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:	13. <input checked="" type="checkbox"/> Preliminary Amendment
<input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP)	14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
Prior application information. Examiner _____	15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.	16. <input type="checkbox"/> Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
	17. <input type="checkbox"/> Other: _____

19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label	023494 (Insert Customer No. or Attach bar code label here)		<input type="checkbox"/> Correspondence address below
NAME			
ADDRESS			
CITY	STATE	ZIP CODE	FAX
COUNTRY	TELEPHONE	(972) 917-4379	(972) 917-4418
Name (Print/Type)	Charles A. Brill		Registration No. (Attorney/Agent) 37,786
Signature			Date 8-7-2001

FEE TRANSMITTAL

Patent fees are subject to annual revision on October 1.

These are the fees effective October 1, 1997

Small Entity payments must be supported by a small entity

statement,

otherwise large entity fees must be paid. See Form PTO/SB/00-12

TOTAL AMOUNT OF PAYMENT

(\$ 1238 .00)

Complete If Known			
Application Number	TBD		
Filing Date	Herewith		
First Named Inventor	Benjamin L. Lee et al.		
Examiner Name	TBD		
Group / Art Unit	TBD		
Attorney Docket No.	TI-31446		

METHOD OF PAYMENT

1. The Commissioner is hereby authorized to charge to the following Deposit Account,

Deposit Account Number

20-0668

Deposit Account Name

Texas Instruments Incorporated

- Charge any additional fee required or credit any overpayment Charge all indicated fees and any additional fee required or credit any overpayment

2. Payment Enclosed:
 Check Money Order Other
FEE CALCULATION1. **BASIC FILING FEE**

Large Entity Fee (\$)	Entity Fee Code	Small Entity Fee (\$)	Entity Fee Code	Fee Description	Fee Paid
101	710	201	395	Utility filing fee	\$710
106	330	206	165	Design filing fee	\$
107	540	207	270	Plant filing fee	\$
108	790	208	395	Reissue filing fee	\$
114	150	214	75	Provisional filing fee	\$
SUBTOTAL (1)				(\$710)	

2. **EXTRA CLAIM FEES**

Total Claims	36	-20** =	15	x	18	=	288	Extra Claims	Fee from below	Fee Paid
Independent Claims	6	-3** =	3	x	80	=	240			
Multiple Dependent										

**or number previously paid, if greater; For Reissue, see below

Large Entity Fee (\$)	Entity Fee Code	Small Entity Fee (\$)	Entity Fee Code	Fee Description
103	18	203	11	Claims in excess of 20
102	80	202	41	Independent Claims in excess of 3
104	270	204	135	Multiple dependent claims in excess of 3
109	82	209	41	**Reissue independent claims over original patent
110	22	210	11	**Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)				(\$ 528)

FEE CALCULATION (continued)			
3. ADDITIONAL FEES			
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)
105	130	205	65
127	50	227	25
Fee Description			
Surcharge - late filing fee			
Surcharge - late provisional filing fee or cover sheet.			
139	130	139	130
Non-English specification			
147	2,520	147	2,520
112	920*	112	920*
For filing a request for reexamination			
Requesting publication of SIR prior to Examiner action			
113	1,840*	113	1,840*
Requesting publication of SIR after Examiner action			
115	110	215	55
Extension for reply within first month			
116	400	216	200
Extension of time within second month			
117	950	217	475
Extension of time within third month			
118	1,510	218	755
Extension of time within fourth month			
128	2,060	228	1,030
Extension of time within fifth month			
119	310	219	155
120	310	220	155
121	270	221	135
138	1,510	138	1,510
140	110	240	55
Petition to institute a public use proceeding			
Petition to revive - unavoidable			
141	1,320	241	660
142	1,320	242	660
Petition to revive - unintentional			
Utility issue fee (or reissue)			
143	450	243	225
144	670	244	335
122	130	122	130
123	50	123	50
Petitions to the Commissioner			
Petitions related to provisional applications			
126	240	126	240
Submission of Information Disclosure Stmt.			
581	40	581	40
Recording each patent assignment per properly (time number of properties)			
146	790	246	395
Filing a submission after final rejection (37 CFR 1.129(a))			
149	790	249	395
For each additional invention to be filed			
Other fee (specify) _____			
Other fee (specify) _____			

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) 0

SUBMITTED BY				Complete (if applicable)
Typed or Printed Name	Charles A. Brill			Reg. Number 37,786
Signature				Deposit Account User ID
Date	8-7-2001			

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO: Assistant Commissioner for Patents, Washington, DC 20231